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**Notice of Allowability**

Application No.

10/748,237

Examiner

Brenda Pham

Applicant(s)

JANG, SEUNG-KI

Art Unit

2616

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 06/04/07.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**BRENDA PHAM  
PRIMARY EXAMINER**

*Brenda A. Pham 7/3/07*

### **REASONS FOR ALLOWANCE**

1. Claims 1-20 allowed over prior art made of record.
2. The following is an examiner's statement of reasons for allowance: the prior art made of record fails to teach or fairly suggests in combination a protection voice processing unit that serves to replaces a disabled voice processing unit from among said plurality of voice processing units; a circuit-side cross point switch connecting channels switched through the TDM space switch to the corresponding voice processing units according to the setup of a main control unit; a packet switch unit comprising a packet switch, the packet switch unit switching packet data from the voice processing units, and outputting the switched data to a plurality of packet interface units; and a packet-side cross point switch connecting the packet switch unit to the voice processing units according to the setup of the main control unit, said main control unit being programmed and configured to control the whole system through an inter-processor communication to download connection information of the disabled voice processing unit to the protection voice processing unit, and to set up an input port number and an output port number of the packet side and the circuit side cross point switches during a redundancy switch process of the voice processing unit.

The prior art fails to teach or fairly suggests in combination the steps of confirming that an active voice processing unit is to be disabled; sensing, by the active voice processing unit to be disabled, board removal when the switch type of the active voice processing unit is board removal; notifying a main control unit by the active voice processing unit to be removed a presumed removal state; transmitting an acknowledge

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response signal from the main control unit to the active voice processing unit to be removed via an inter-processor communication bus; downloading connection information from the active voice processing unit which will be removed to the main control unit via the inter-processor communication bus; changing the setup of cross point switches connected to the circuit switch unit and the packet switch unit by the main control unit; switching off the active voice processing unit and switching on a protection voice processing unit by the main control unit; transmitting the connection information downloaded from the active voice processing unit to the protection voice processing unit by the main control unit; and resuming service after the protection voice processing unit receives the connection information.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

DeMars et al (US 7,088,739 B2) disclose method provides for creating a packet using a digital signal processor. Call set-up information is received. Thereafter, call data is received and a data portion of the packet is created using the call data.

Carr et al (US 2006/0050738 A1) disclose method and apparatus for segmentation and reassembly of data packets in a communication switch.

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**Conclusion**

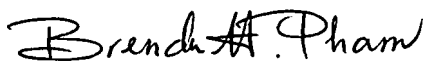
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brenda Pham whose telephone number is (571) 272-3135. The examiner can normally be reached on Monday-Friday from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild, can be reached on (571) 272-2092.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

July 3, 2007

Brenda Pham

A handwritten signature in black ink that reads "Brenda A. Pham". The signature is written in a cursive style with a large initial "B" and a stylized "A".

**BRENDA PHAM  
PRIMARY EXAMINER**